

# Data Integration Activity



*Technology Readiness in Michigan*

# Technology Readiness Infrastructure Grant (TRIG)



- Awarded by the legislature to prepare schools for the online assessment across the state:
  - 2012 - \$50 million
  - 2013 - \$50 million
  - 2014 - \$41.5 million
- The work of the TRIG is divided into 7 statewide activities



# Data Integration Activity

- The Data Integration activity is designed to streamline the use of educational information statewide related to common data & common solutions

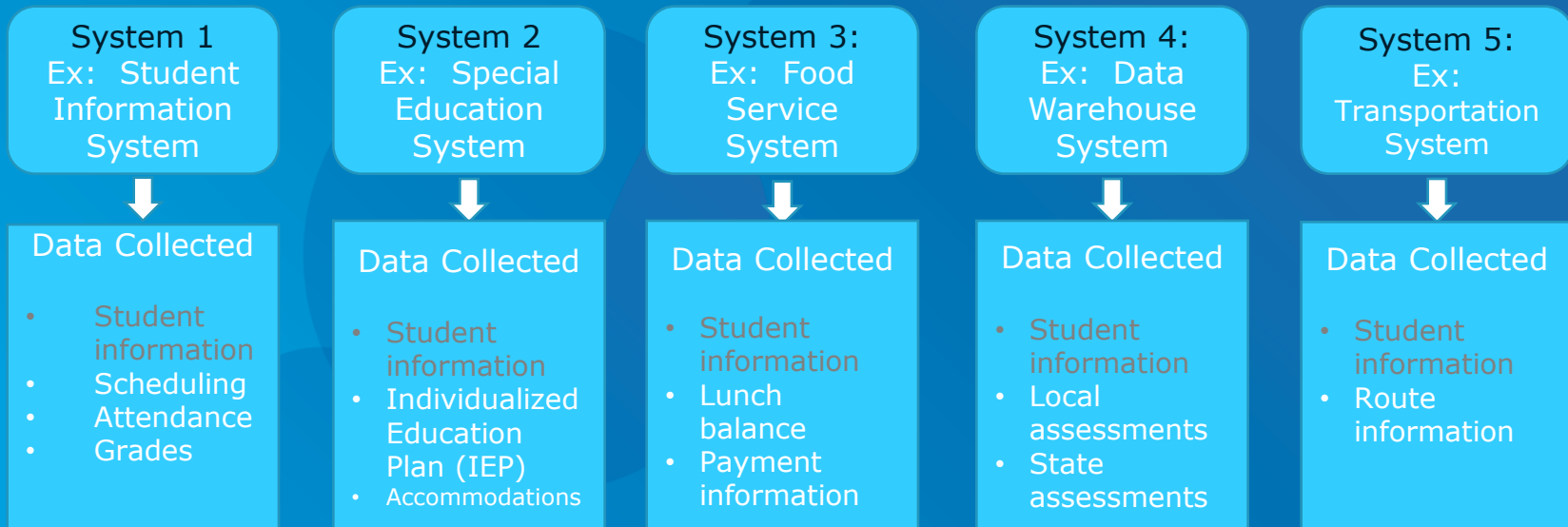


- This activity will allow Michigan educators to have information about student performance available to make decisions about strategies designed to meet the needs of the individual student
- These data can make the multi-tiered systems of approach to student support a realistic tool for the classroom teacher



# Concept of Project

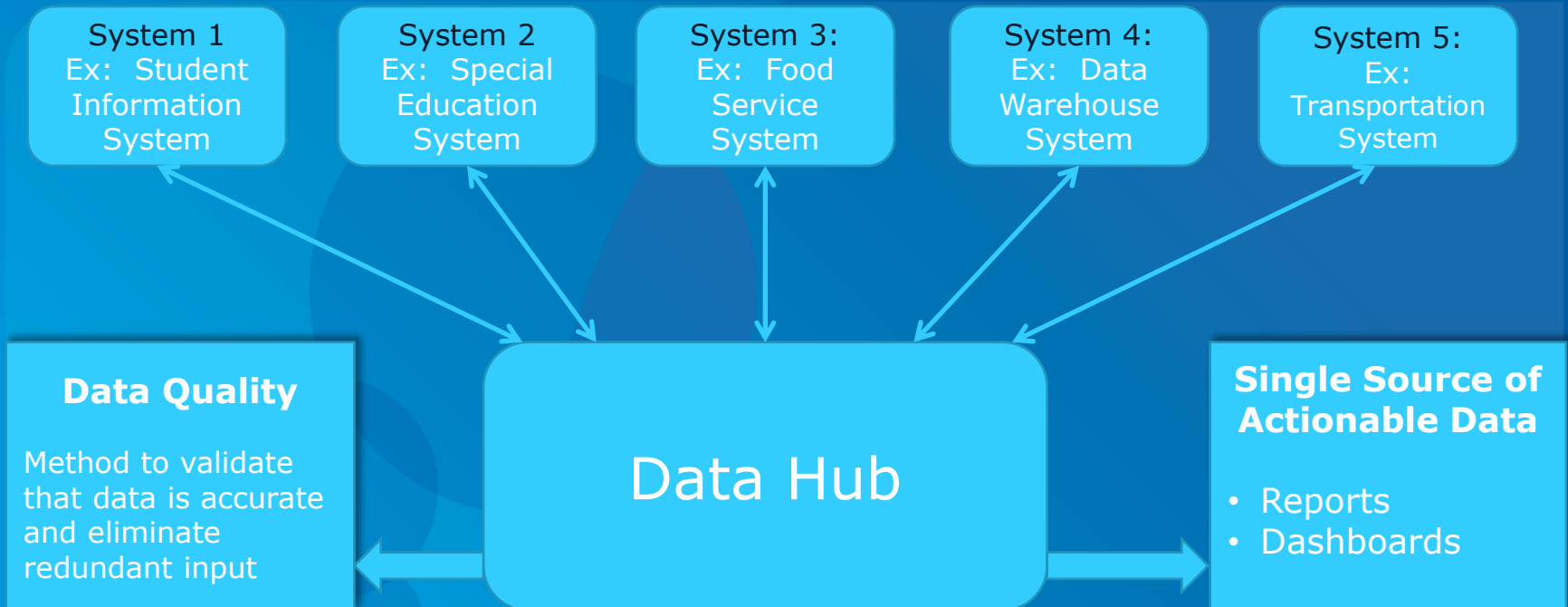
## District Perspective



### Challenges:

- Redundancy of data entry
- Inaccuracy of data
- Few if any systems “talk” to each other
- Not one place to access all this data

# The Solution

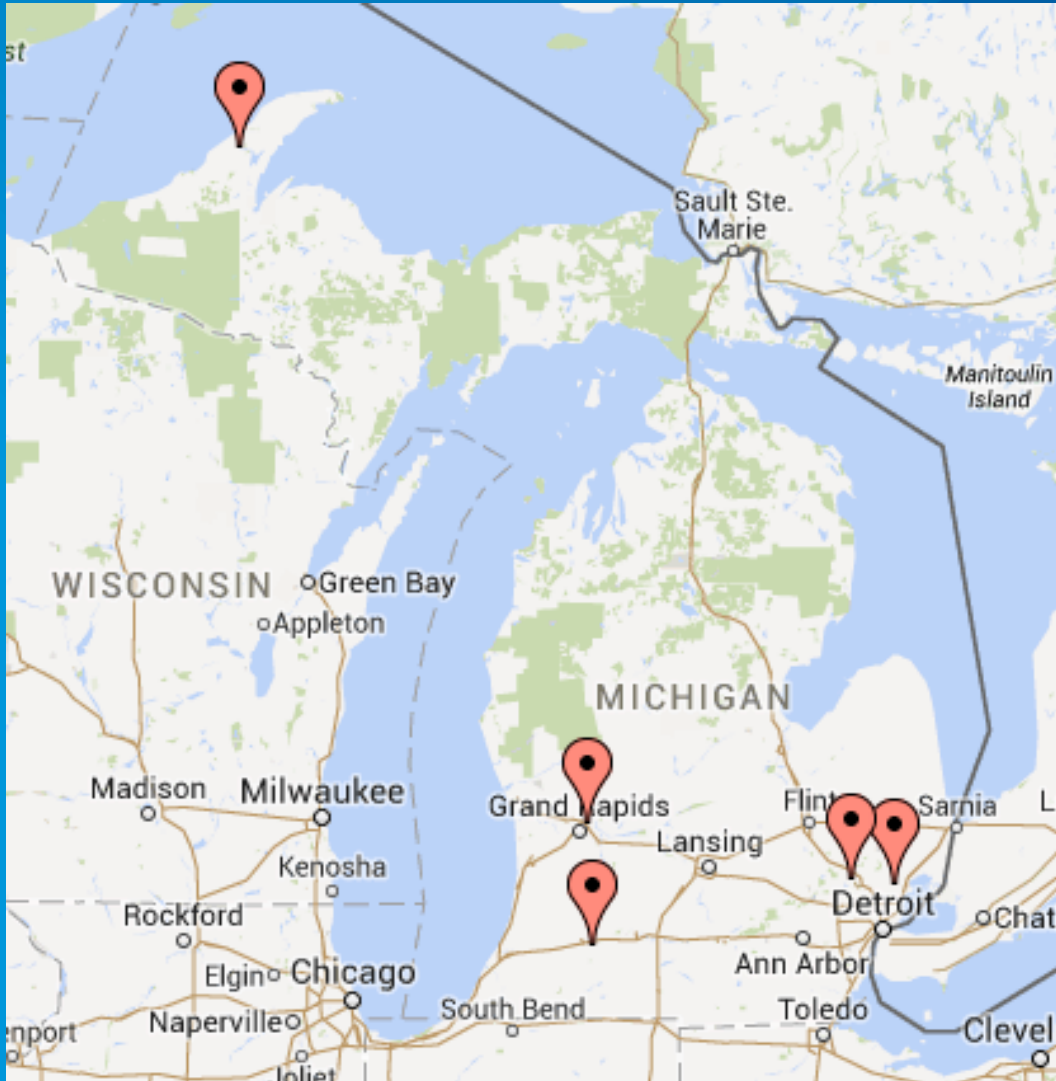


## Advantages:

- Eliminate the need for redundant data entry
- Validate accuracy of data
- Data can be shared between systems
- Reporting allows all data to be viewed in one place



# How does this scale?



## Current Data Hub Locations:

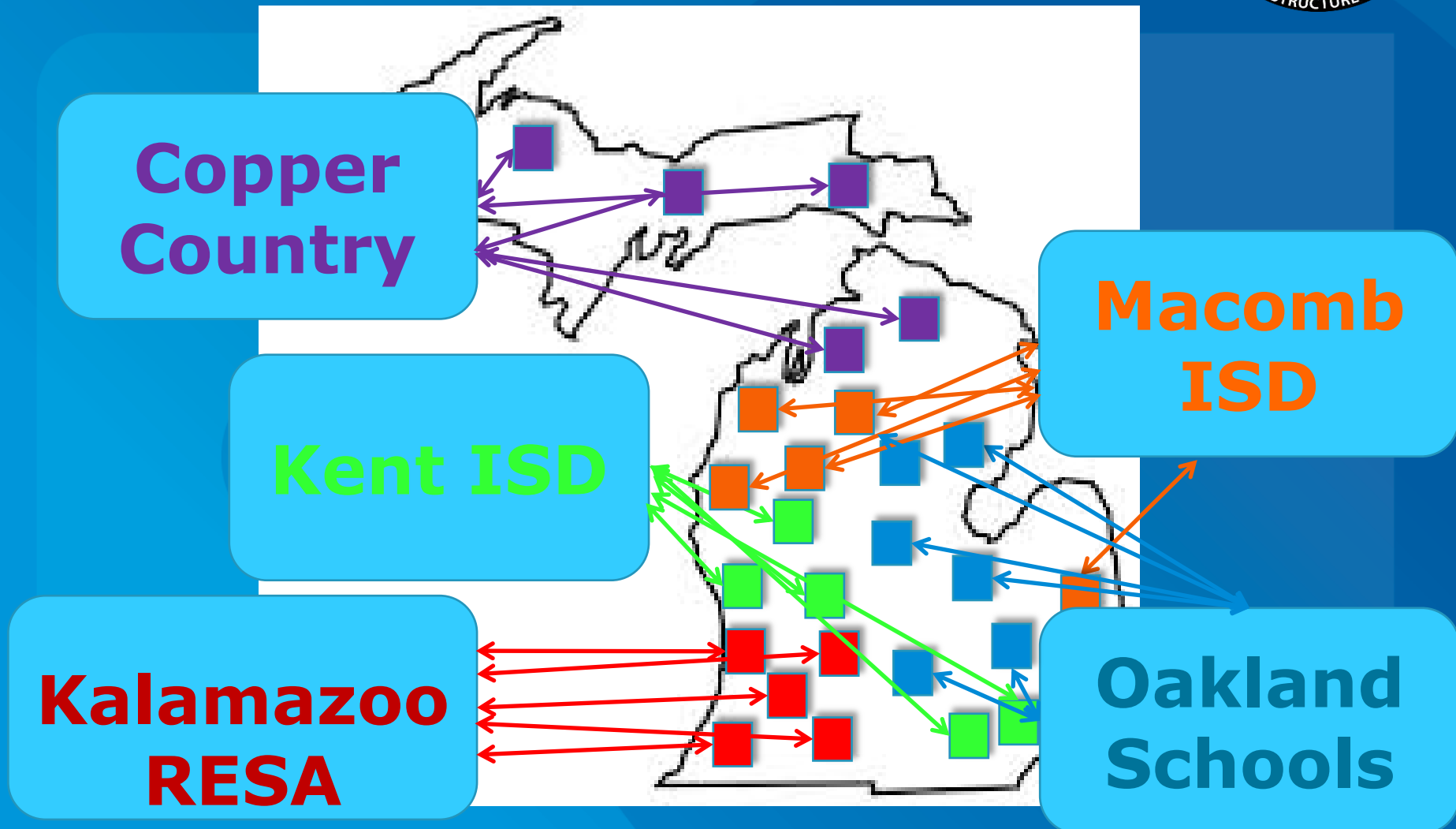
- Oakland ISD
- Copper Country ISD
- Kent ISD
- Kalamazoo RESA
- Macomb ISD







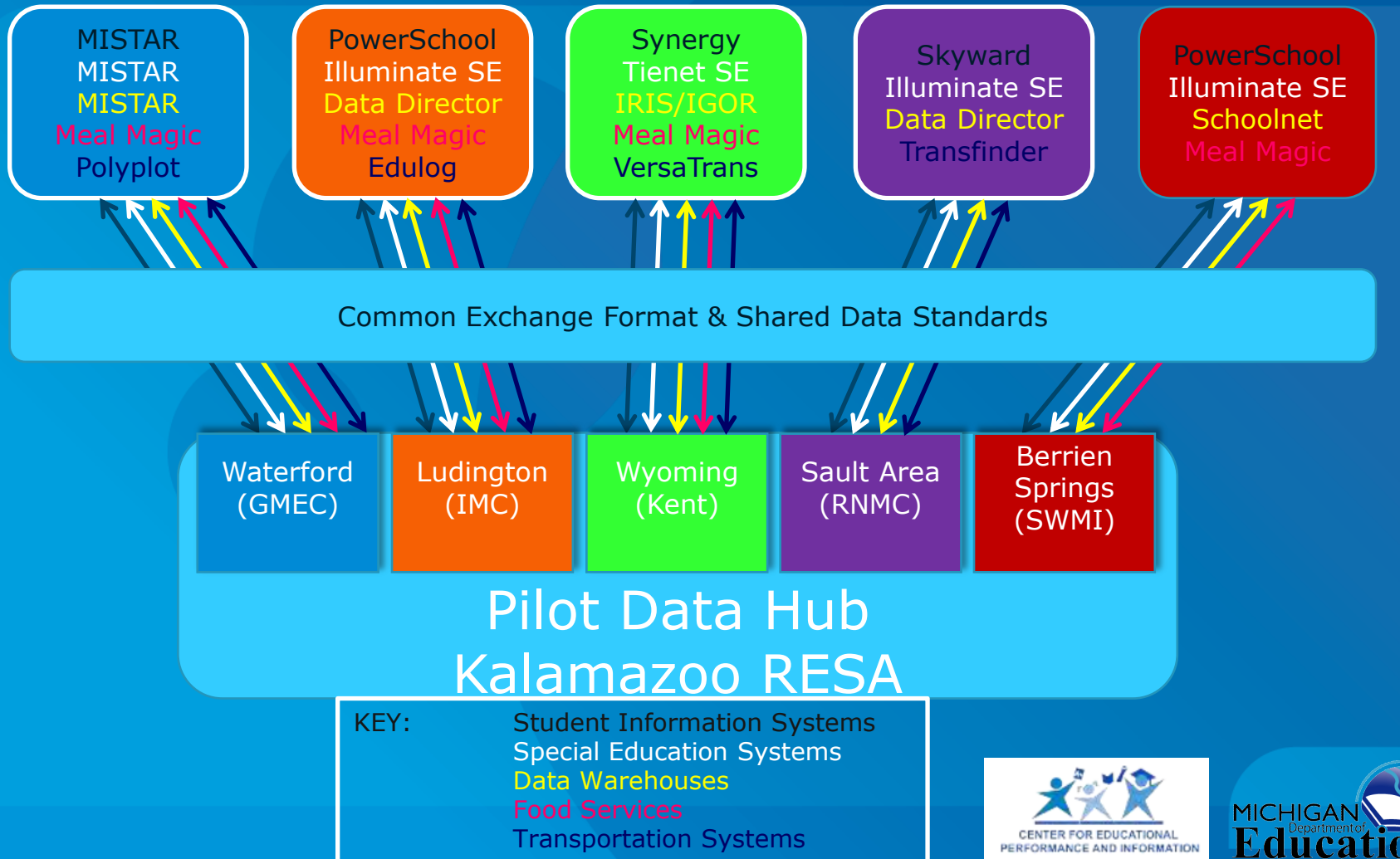
# Data Hubs align to TRIG Regions



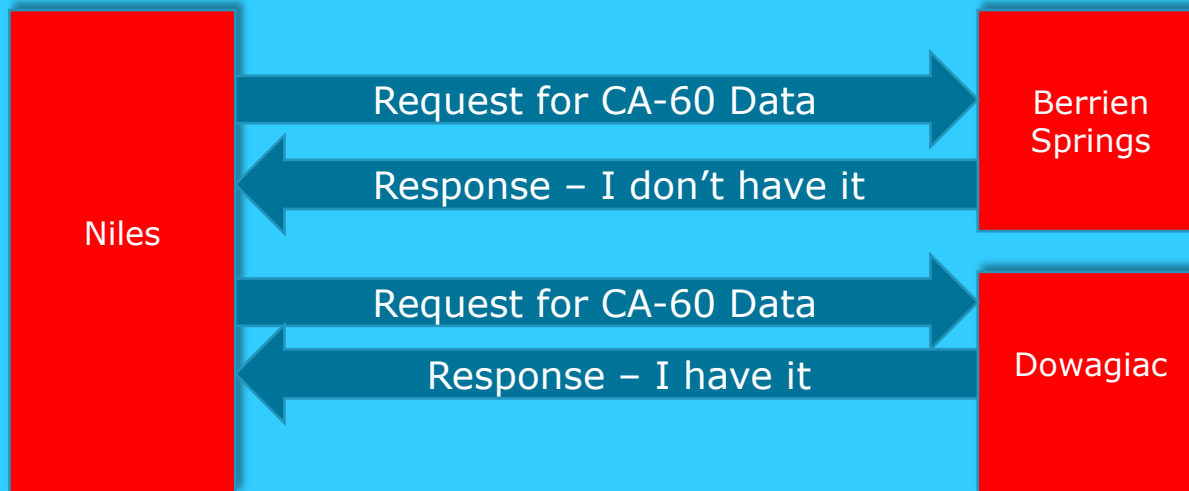




# How does this work?



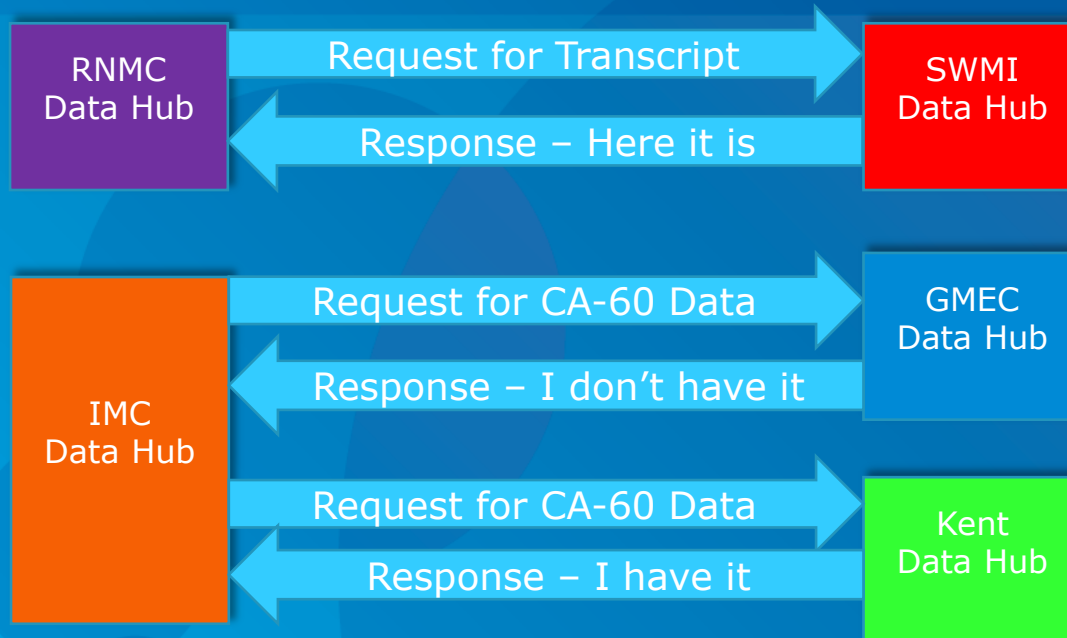
# Interaction of district data



## Kalamazoo RESA Data Hub

- Requests of information will need to be authorized before data is provided
- Requests may need to be made to multiple district databases to get the data needed
- Possible to consolidate data from several districts

# Interaction between Data Hubs



- Requests of information will need to be authorized before data is provided
- Requests may need to be made to multiple data hubs to get the data needed
- A request for statewide information would need to go to all 5 data hubs

# Timeline



12-31-14

\*Pilot districts  
integrating into  
Kalamazoo RESA  
hub  
\*Special Ed and  
Data Warehouse  
integrations

7-1-15

\*Begin rollout on  
statewide basis

6-30-15

\*Target of 20%  
integrating into  
specific regional  
hubs

6-30-16

\*Statewide rollout  
to any district  
using an integrated  
SIS  
\*Pilot readiness of  
state reporting



# How is student data being handled?

- Data is owned by the district
- Data Hosting Agreement specifies what can be done with data hosted at the hubs
  - Encryption in transit and at rest
  - Permission required to send the data to any other entity
  - Required FERPA training for those working with data
  - District can turn integrations on/off or request that data is removed at any time



# Data security and Privacy

- Encrypted in transit (SFTP/SSL) and at rest (BitLocker, Table Data Encryption)
- Strong security password requirements
- Each district's data is in its own physically separated database
- Data Hosting Agreement lays out specific steps for secure data handling
- Required FERPA training for Data Hub Staff/Administrators
- Only necessary information goes to system vendors based on integration need

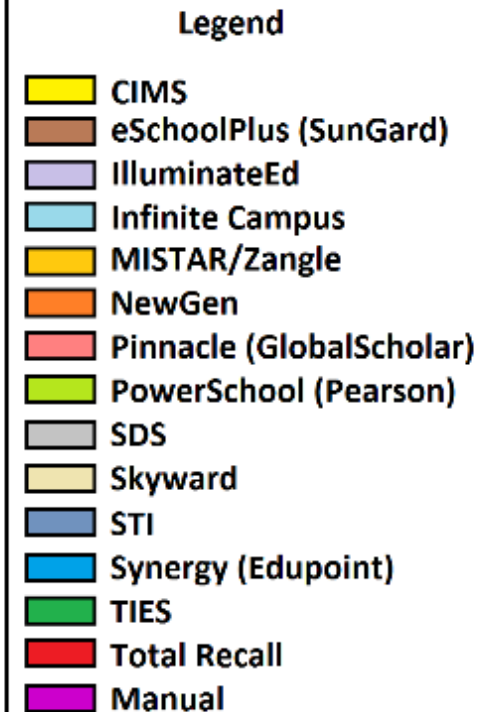


# MICHIGAN SCHOOL DISTRICTS AND INTERMEDIATE SCHOOL DISTRICTS

2013-14

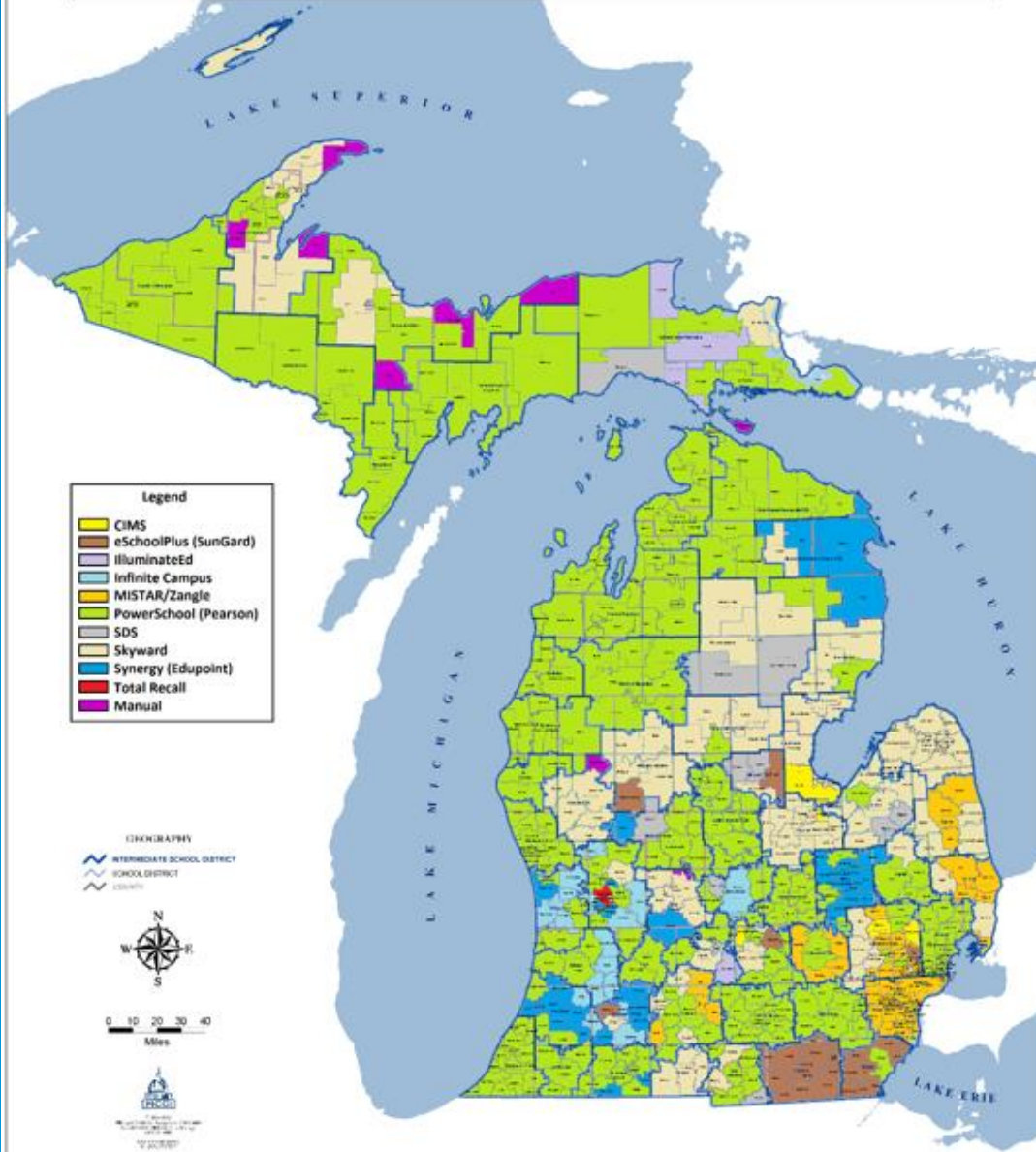


14 SIS  
87% Common





# MICHIGAN SCHOOL DISTRICTS AND INTERMEDIATE SCHOOL DISTRICTS



2014-15



10 SIS  
93% Common

## Legend

- CIMIS
- eSchoolPlus (SunGard)
- IlluminateEd
- Infinite Campus
- MISTAR/Zangle
- PowerSchool (Pearson)
- SDS
- Skyward
- Synergy (Edupoint)
- Total Recall
- Manual





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